14997

JOINS CANADIAN CHART 6110

I.R. NO. 26A

GRASSY PORTAGE BAY

SWELL BAY

ONTARIO

SANDPOINT ISLAND

BERRY ISLAND

SCOTT ISLAND

SCOTT ISLANDS

SEINE BAY

BLEAK BAY

DRYWEED ISLAND

VOYAGEURS NATIONAL PARK

MINNESOTA

SAGINAW BAY

CRANBERRY BAY

LOST BAY

MACKENZIE ISLAND

HALLELUJAH POINT

BRULE ISLAND

FINLANDER BAY

MARION BAY

Scale of Statute Miles

Scale of Feet

FORT FRANCES (RAINY LAKE) 1949-1987
referred to U.S.C. & G.S. Datum, 1912 adjustment

Chart Datum 1107.0 feet
337.4 meters above M.S.L. at New York

highest monthly mean water level
Average monthly mean water level
Lowest monthly mean water level

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Int'l Falls, Minn. WXK-45 162.55 MHz (Chan. WX-1)

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Due to periodic high water conditions, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

UNITED STATES - BORDER LAKES

MINNESOTA

RAINY LAKE

DRYWEED ISLAND to BIG ISLAND

Universal Transverse Mercator Projection
Scale 1:25,000
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET

Reduced to chart datum which is the level surface of Rainy Lake when the gage at Fort Frances reads 1107.0 feet, or 337.4 meters.

NOTES

AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1.

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly.

HEIGHTS. Heights are expressed in feet above chart datum.

AUTHORITIES. This chart which corresponds to Canadian Hydrographic Service Chart No. 6109, was compiled from surveys of the National Ocean Service and the Canadian Hydrographic Service and is the result of a coordinated effort of the two agencies.

CAUTION—Caution should be exercised while cruising in these waters, since uncharted shoals and dangers may exist.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.2"66" southward and 0.503" westward to agree with this chart.

LONGITUDE 93°00' WEST FROM GREENWICH

14th Ed., Sept 22/90 ■

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center, the Canadian Ministry of Transport and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left-hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852.

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

CSS: 4/8/7: 14997/990

SOUNDINGS IN FEET

JOINS CANADIAN CHART 6110

INDEX TO CHARTS OF RAINY LAKE
Charts 6106, 6107, 6110 and 6111 are available from the Canadian Hydrographic Service.

I.R. NO. 26A

I.R. NO 23B

ONTARIO

MINNESOTA

LOCHART LAKE

SEINE BAY

SCOTT ISLAND

LITTLE GRASSY LAKE

SCOTT ISLANDS

BLEAK BAY

HALLELUJAH POINT

MACKENZIE ISLAND

BRULÉ ISLAND

LOST BAY

SAGINAW BAY

MARION BAY

FINLANDER BAY

HITCHCOCK BAY

VOYAGEURS NATIONAL PARK

BIG ISLAND

ANCHOR ISLANDS

Tunnel Bay

Boathouse

Shelter Cove

WRECK POINT

Chappie I

Dude Island

Morton Island

Wind I Bay

Iron I

Black I

Bald I

Channel I

Stubs Shoal

Ottawa Reef

Steamboat I

Arden I

Miller Creek

Duckfoot I

Kawawa Island

Three Sisters Islands

Shelland Island

Norway Island

Emerald I

Sapphire I

Ruby I

Amethyst I

Durant Pt

Gilford Pt

Soldier Pt

Frank

Perrins

Stoffels Pt

Fulton I

Kettle Pt

Kettle Pt

Scale of Statute Miles

Scale of Feet

LOGARITHMIC SPEED SCALE

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details, see U.S. Coast Guard Light List.

NOTES

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HORIZONTAL DATUM
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UNITED STATES - BORDER LAKES

MINNESOTA

RAINY LAKE

DRYWEED ISLAND to BIG ISLAND

Universal Transverse Mercator Projection
Scale 1:25,000
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET

Reduced to chart datum which is the level surface of Rainy Lake when the gage at Fort Frances reads 1107.0 feet, or 337.1 meters.

LONGITUDE 93°00' WEST FROM GREENWICH

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

20th Anniversary 1970-1990
National Oceanic and Atmospheric Administration
Serving The Nation
John A. Knauss, Administrator

(Rainy Lake)
SOUNDINGS IN FEET SCALE 1:25,000

14997